

Ashton Jig & Tool Co Ltd. CAPACITY LIST

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DESIGN:

Softech 2D Expert CAD, OneCNC 3D Solid Creator

INSPECTION:

1 – Global S Blue 09.15.8 Co-ordinate Measuring Machine PCDmis Cad++2024. Temperature controlled room.
1 – Keyence XM-5000 Camera Measuring Unit
1 – Trimos Digital Height Gauge 0.001mm reading, 600mm high
1 – Mitutoyo Digital Height Gauge 0.001mm reading, 600mm high
Micrometers, Slip Gauges, Bore Gauges etc, All Equipment Calibrated. Over 400 pieces of measuring equipment

WIRE EROSION:

1 – Fanuc Robocut Alpha c600i WB AWF X600, Y400, Z400 (cutting area)
1 – Fanuc Robocut Alpha -1iA AWF X520, Y370, Z410 (cutting area)
1 – Fanuc Robocut Alpha-OiC AWF X320, Y220, Z250 (cutting area)
1 – Fanuc Robocut Alpha- 0iA AWF X320, Y220, Z180 (cutting area)

ELECTRO DISCHARGE MACHINING:

1 – Joemars VEDM hole drilling machine JM528DZ, 0.3 diameter – 3mm diameter
1 – Joemars JM650FZ Spark Eroder
1 – Joemars JM430 Spark Eroder
1 – Joemars TR100 Portable Tap & Drill Remover

CNC MILLING: Full 3D 4 axis machining

1 – Correa Diana 25 Horizontal CNC X2500 Y1000 Z1000 + Ø700mm 4th Axis
1 – Doosan MYNX DN6500/50, X1270, Y670, Z625 + 4th Axis
1 – Quasar VMC MV 204V, X1270, Y700, Z610
1 – Quasar MV184P VMC, X1000 Y660 Z600
1 – Doosan DNM 5700, X1300, Y7670, Z625 with Alberti Right angled head (Minimum aperture access 100mm diameter x 145mm deep) + 4th Axis
1 – Bridgeport Interact 720, X760, Y410, Z450 + 4th Axis
3D Cad Cam Software

Conventional MILLING:

1 – Herbert DeVlieg Jig Mill No 43H72 X1800, Y900, Z1250 3 axis DRO
1 – Rotary Air Lift Table

CNC TURNING:

1-Doosan PUMA VT 1100 Vertical Turning Lathe with Live Tooling Ø1000mm 4 Jaw Chuck
2 – XYZ XL1100 CNC Lathe with Tailstock. 2000mm between centres Ø1000mm 4 Jaw Chuck
1 – XYZ Pro-turn CNC SLX 555-3000mm between centres 3 and 4 Jaw Chucks
1 – Victor Model V Turn S26 CNC Lathe. Ø250mm 3 Jaw Power Chuck, 600mm between centres. With Live Tooling
1 – Victor Model V Turn 26/ 60 CNC Lathe. Ø250mm 3 Jaw Power Chuck, 600mm between centres
1 – Victor Model V Turn 36 – 125 CNC Lathe. Ø380mm 3 Jaw Power Chuck, 1250mm between centres

Conventional TURNING

1 – Colchester Mastiff VS 1800 (2000mm) between centres, 2 axis DRO
1 – Colchester Triumph VS 2500 (1250mm) between centres, 2 axis DRO
1 – Colchester Triumph 2000, 39” (1000mm) between centres, 2 axis DRO

JIG BORING:

2 – Genevoise SIP Hydroptic 6A
4 – Rotary Inclinable Tables

GRINDING:

1 – Perfect PFG-50-150 AHR (500mm x 1500mm) Surface Grinder
1 – Perfect PFG-40-80 AH (400mm x 800mm) Surface Grinder
1 – Jones & Shipman 1027. 10” x 27” (254mm x 686mm) Surface Grinder
1 – Jung 8” x 24” (204mm x 610mm) Surface Grinder

FITTING:

1 – 3’ 6” (1067mm) Archdale Radial Arm Drill
2 – Pollard Pillar Drill
1 – No. 6 Sweeney & Blocksidge DB tall Fly Press
1 – Mills 30 ton hydraulic ‘C’ Frame Press
1 – Addison CB250A Automatic Horizontal Bandsaw
1 – Addison VBS500 Vertical Bandsaw
1 – Roscamat Tapping Machine M2-M27 Capacity

Laser Engraving & 3D Printing

1 – Technifor Laser Workstation LW3 Fibre Optic with 4th axis (Mainly for Steels)
1 – Technifor Laser LS100EX CO2 with 4th axis, Cut & Engrave area 600 x 300 (Mainly for Plastics & Wood)
1 – Prusa MK4 3D Printing Machine

